

(*) Use completing the square to solve

Need to be 1 $\rightarrow \frac{3x^2}{3} - \frac{5x}{3} - \frac{12}{3} = \frac{0}{3}$

$$x^2 - \frac{5}{3}x - 4 = 0$$

$+4 \quad +4$

$$x^2 - \frac{5}{3}x + \boxed{\frac{25}{36}} = 4 + \boxed{\frac{25}{36}}$$

NORMAL FLOAT AUTO REAL DEGREE MP

$(-5/3)/2$ $-.8333333333$

Ans \rightarrow Frac $-\frac{5}{6}$

Ans 2 $\frac{25}{36}$

$$\left(x - \frac{5}{6}\right)^2 = \frac{169}{36}$$

$$x - \frac{5}{6} = \pm \sqrt{\frac{169}{36}}$$

$$x - \frac{5}{6} = \pm \frac{13}{6}$$

$+\frac{5}{6} \quad +\frac{5}{6}$

$$x = \frac{5}{6} \pm \frac{13}{6}$$

$$\frac{5}{6} + \frac{13}{6} = \frac{18}{6} = \boxed{3} \quad \frac{5}{6} - \frac{13}{6} = -\frac{8}{6} = \boxed{-\frac{4}{3}}$$

- ① Factor (Not all can be factored)
- ② Complete Square
- ③ Quad Formula